

PATENT (5500-97500/TT5529)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/653,754 Filed: September 3, 2003 Inventor(s): Stephan G. Meier	§ Examiner: Unknown § Group/Art Unit: 2131 § Atty. Dkt. No: 5500-97500
S. Craig Nelson Gene W. Shen	I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date indicated below.
Title: Low Power Way-Predicted	8
Cache	§ Lawrence J. Merkel
	Name of Registered Representative December 30, 2003 Date

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Please incorporate the document listed on the attached Form PTO-1449 into the electronic Information Disclosure statement previously filed.

Applicant requests consideration of ⊠ the references listed on the attached Form PTO-1449 and/or ⊠ the additional information identified below in paragraph 3. A copy of each reference listed on the Form PTO-1449 is enclosed.

1.	This	This Information Disclosure Statement is submitted:					
	a.	\boxtimes	within 3 months of the filing date of a national application other than a continued prosecution application under § 1.53(d);				
			within 3 months of the date of entry of the national stage as set forth in § 1.491 in an International application;				
			before the mailing date of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.				

	b.		after the events of above paragraph 1a and prior to the mailing date of a final Office Action or Notice of Allowance, and thus: the certification of paragraph 2 below is provided, or a fee of \$180.00 is enclosed.					
	c.		after the mailing date of a final Office Action or a Notice of Allowance and prior to payment of the issue fee, and thus: the certification of paragraph 2 below is provided and a fee of \$180.00 is enclosed.					
2.	It is her	ereby certified:						
		was cit	h item of information contained in this Information Disclosure Statement ed in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of the ent, or					
		was cit foreign after m	item of information contained in the Information Disclosure Statement ed in a communication from a foreign patent office in a counterpart application or, to the knowledge of the person signing the certification aking reasonable inquiry, was known to any individual designated in § more than three months prior to the filing of the Statement.					
3	\boxtimes		eration of the following additional information (including any co-pending doned U.S. applications, prior uses and/or sales, etc.) is requested:					
			U.S. Patent Application Serial No. 10/653,749 (5500-97600) U.S. Patent Application Serial No. 09/476,577 (5500-50600)					
4.	For each	ch non-l	English language reference listed on the attached Form PTO-1449:					
		reference	e is made to an English language translation submitted herewith, and/or					
			ce is made to a foreign patent office search report (in the English e) submitted herewith, and/or					
			ce is made to an English language translation of a foreign patent office report submitted herewith, and/or					
			te is made to the concise explanation contained in the specification of the application at page(s), and/or					
		referenc	e is made to the concise explanation set forth below:					
5.		Applica	nt also offers the following comments for the Examiner's consideration:					
6.		Also en	closed is a copy of a foreign search report citing these references.					
7.		paymen	ted documents were brought to the attention of the Applicant(s) after t of the issue fee in the captioned case. The documents were cited in a nication from a foreign patent office in a counterpart foreign application					

not more than three months prior to the filing of this Information Disclosure Statement. Applicant(s) request this Information Disclosure Statement and attached Form PTO-1449 be placed in the file of the captioned application.

8. Applicant(s) requests that the Information Disclosure Statement and attached Form PTO-1449 and references, which are being filed before the grant of the patent and pursuant to 37 C.F.R. § 1.97(i), be placed in the file of the captioned application.

If any required fees are missing, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5500-97500/LJM.

Respectfully submitted,

Lawrence J. Merkel

Reg. No. 41,191 Agent for Applicant(s)

Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. P.O. Box 398
Austin, TX 78767-0398
(512) 853-8800

Date: <u>December 30, 2003</u>

Form PTO-1449 (modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement

TTY. DKT. NO. 5500-97500

SERIAL NO. 10/653,754

APPLICANT: Meier, et al.

GROUP: 2131

Disclosure Statement (Use several sheets if necessary)			FILING DAT	E: September 3, 2003			
		U	.S. PATENT I	DOCUMENTS			
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		FOR	EIGN PATEN	T DOCUMENTS			
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
	A1	0459232	12/4/91	EP			
	A2	0259095	3/9/98	EP	1 7 1		
	A3	0675443	10/4/95	EP			
	A4	2 674 044	9/18/92	FR			
	A5	2263987	8/11/93	GB			
	A6	2263985	8/11/93	GB			
	A7	2281422	3/1/95	GB			
	A8	. 98/20421	5/14/98	WO			
	A9	0651321	5/3/95	EP			
	A10	0467152	1/22/92	EP			
	A11	0381471	8/8/90	EP			
		OTHER ART (1	ncluding Author	, Title, Date, Pertinent Pa	iges, Etc.)		
	A12	"Filtering Memory Reference Vol. 49, No. 1, January 200		ergy Efficiency," Kin, et al.,	IEEE Trans	actions on C	Computers,
	A13	"Reducing Set-Associative (IEEE, 2001, pp. 54-64.	Cache Energy via '	Way-Prediction and Selectiv	ve Direct-Ma	apping," Pov	vell, et al.,
	A14	"Low Load Latency Throug	h Sum-Addressed	Memory (SAM)," Lynch, et	al., Sun Mi	crosystems,	Inc., 6 pages.
	A15	"The 16kB Single-Cycle Re 2002, Session 6, SRAM and			anium Micro	oprocessor,"	ISSCC
	A16	XP 000525181 Calder, e Science, University of C 287-296.	•		•		•

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Form PTO-1449 (modified) A List of Patents and Public

TY. DKT. NO. 5500-97500

SERIAL NO. 10/653,754

For	For Applicant's Information APPLICANT: Meier, et al.			GROUP: 2131			
Disclosure Statement (Use several sheets if necessary)		FILING DATE: September 3, 2003					
				DOCUMENTS	<u> </u>		
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
		FORI	EIGN PATEN	T DOCUMENTS			
EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION YES/NO
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· · · · · · · · · · · · · · · · · · ·	<u>.l</u> !	OTHER ART (In	cluding Author	, Title, Date, Pertinent P	ages, Etc.)		<u> </u>
	A17	XP 000397920 Uchiyam Buffers," 8207 IEEE Mic				ssor with I	Branch
	A18	Intel, "Chapter 2: Microprocessor Architecture Overview," pp. 2-1 through 2-4, 1994.					
	A19	Slater, M., "AMD's Microprocessor K5 designed to Outrun Pentium" (Microprocessor Report, vol. 8, no. 14, October 24, 1994, 7 pages.					
	A20	Rupley, et al, "P6: The Next Step?" PC Magazine, September 12, 1995, 16 pages.					
-	A21	Halfhill, "AMD K6 Takes on Intel P6," BYTE Magazine, January 1996, 4 pages.					
	A22	Patterson, et al, "Comput published by Morgan Ka			ich," Sectio	on 8.3, pp.	408-425,
	A23	Holstad, S., "Tutorial Tu copyright 1997, 5 pages (rk, Inc.
	A24	"Intel Architecture Softw Corporation, Prospect IL Technology, pp 8-1 throu	, 1996, 1997, C	s Manual, Volume 1: Both hapter 8: Programming	asic Archite With The I	ecture", Inntel MMX	tel TM
	A25	"Intel MMX TM Technolo http://www.intel.com/drg			iges (see		
	A26	Patent Abstracts of Japan	, Publication N	o. 07334423, published	December	22, 1995.	
	A27	Kessler et al., "Inexpensi Conference Proceedings,	•		y," Compu	ter Archite	ecture

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DATE CONSIDERED:

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